



PILOTS HANDBOOK



HIGH PERFORMANCE BATTLING DRONES

# HIGH PERFORMANCE BATTLE DRONES

## T-65 X-WING

### PILOT'S HANDBOOK

**WARNING:** Never leave Li-poly batteries charging unattended for extended periods of time. Please refer to enclosed safety instructions.

### PACKAGE CONTAINS:

- T-65 X-WING
- 2.4 Ghz WIRELESS CONTROLLER
- 2 X-WING BATTERIES
- INSTRUCTION BOOKLET
- CHARGER+ USB CABLE+ WALL ADAPTER  
(wall adapter + USB is for both packaging and battery charger)
- PROTECTIVE TRAINING CAGE
- LIGHT SABER SCREWDRIVER (in side of controller)
- PROPELLER MULTI-TOOL
- FAUX BATTERY COVER (for use with collectors display box)
- SPARE PARTS
- COLLECTORS LIGHT UP DISPLAY BOX

Colors and styles may vary (BC)

## WELCOME TO THE REBELLION, CADET

Congratulations are in order, I imagine. I don't know what drove you to enlist with the Rebel Alliance and frankly I don't want to know. We've all got our histories, don't we? I'm just glad that your path brought you here.

Welcome. We can use a good pilot like you.

Hang on to this flight manual. It's got everything you'll need if you want to survive your training cycle. And don't worry, we've got your back. It's the Empire you should be worried about.

You're familiar with the Imperial TIE fighter, right? Well, get ready for the TIE Advanced. It's an experimental model and it runs rings around those flimsy "eyeball" TIEs. And if you're pulling atmospheric duty you can expect to strafe fast-moving Imperial speeder bikes—but don't get too surprised when they start shooting back.

The T-65 X-wing is a remarkable ship. So lock S-foils in attack position and prepare to fight! And may the Force be with you.



For the latest information  
about our Star Wars drones  
please scan this code

or visit us at  
[www.propelsw.com](http://www.propelsw.com)

## YOUR SHIP

The engineers at Incom really know how to build 'em. The X-wing has a split S-foil design. It's propelled by four fusial thrust engines and there's a laser in each wingtip.

The X-wing is as nimble as a loth-cat and twice as vicious. You'll love it.

When you get behind the controls you'll find that the X-wing has more "weight" than most ships of its size, which gives it increased momentum during larger maneuvers. Overall, it's just a more solid flight experience.



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RESTORE  
THE  
REPUBLIC!

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## FEATURES:

- Built-in 6 axis gyroscopic chip keeps the X-wing extremely stable in all conditions
- 4-channel flight controls allow for incredible maneuvering including 360° aerial stunts
- LED directional lights make your ship easy to follow
- Hand-painted collectible ship
- Running lights illuminate your ship during low-light flying
- Barometric pressure sensor (repulsor lift) For fixed altitude hovering
- Auto-start and auto-land functions
- Gyroscope calibration
- Crash protection with Auto-Land
- T-Mode training for beginners
- Light-up display with soundtrack
- Controller vibration for battle feedback
- Replaceable batteries for extended play
- Infrared battling technology
- Upgradeable laser battling technology
- Built-in Star Wars soundtracks for complete sonic immersion
- Battle sounds
- Controller speaker and headphone jack
- Flight simulator smart-phone app for pilot training and profile creation
- Collectible identifying marks for traceability
- Easy-to-replace parts and transparent blades
- Protective cage
- Wax seal (If you are reading this you have already broken the wax seal)
- Lightsaber screwdriver for replacing controller batteries and ship repair
- ...and a few fun surprises



## STARSHIP STATS



74-Z Speeder Bike™



**Engine:** Aratech military grade repulsorlift

**Land Speed:** 500 km/hr

**Construction:** Reinforced durasteel

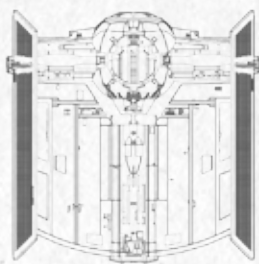
**Operators:** 1 pilot

**Weapons:** One Ax-20 blaster cannon

Aratech Repulsor Company



TIE Advanced X1™



**Reactor:** SFS I-s3a solar ionization

**Engines:** SFS P-s5.6 twin ion

**Atmospheric speed:** 1200 km/hr

**Spaceframe:** Reinforced durasteel

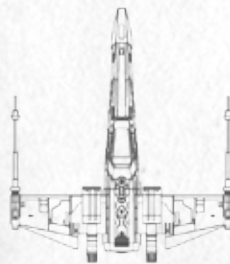
**Crew:** 1 pilot

**Weapons:** Two L-s9.3 laser cannons

Sienar Fleet Systems



T-65 X-Wing™



**Reactor:** Novaldex O4-Z cryogenic power cell

**Engines:** Four Incom 414 fusial thrust

**Atmospheric speed:** 1050 km/hr

**Spaceframe:** Titanium alloy

**Crew:** 1 pilot, 1 astromech droid

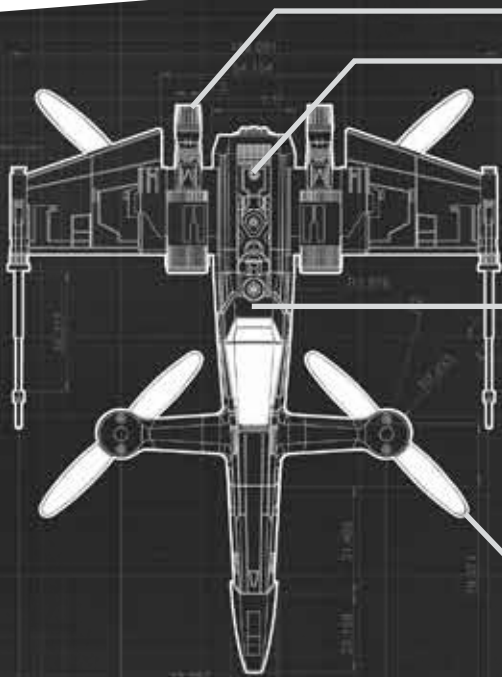
**Weapons:** Four Taim and Bak KX9 laser cannons

Incom Corporation





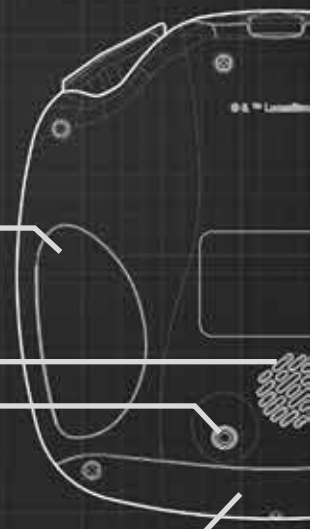
# PILOT'S GEAR



- Back Lights
- Battery Lock
- Bluetooth Sync for future app integration
- Barometric pressure sensor On/Off
- Battery
- Auto-start / Auto-land
- Neck Strap Attachment (strap not included)
- Propeller

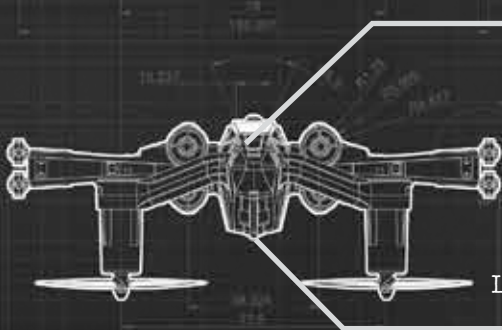


- Life LED's
- Calibrate Gyro
- Turn On/Off LED's
- Speaker
- Headphone Jack
- Controller Power on/off



Handle grip

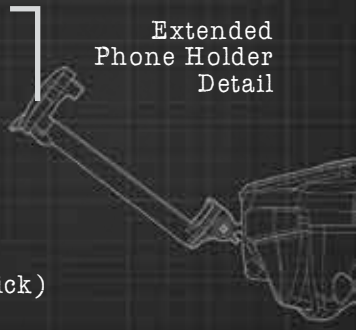
Battery Cover



- IR Transmitter
- Speed change
- Counter-Clockwise Roll
- Left Gimbal (Control stick)
- IR Receiver



- Phone holder Pull tab
- Weapons Fire
- Clockwise Roll
- Right Gimbal (Control stick)

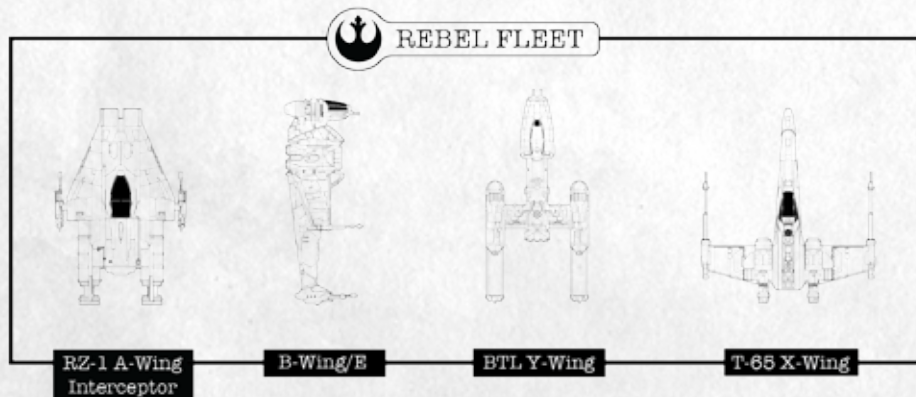
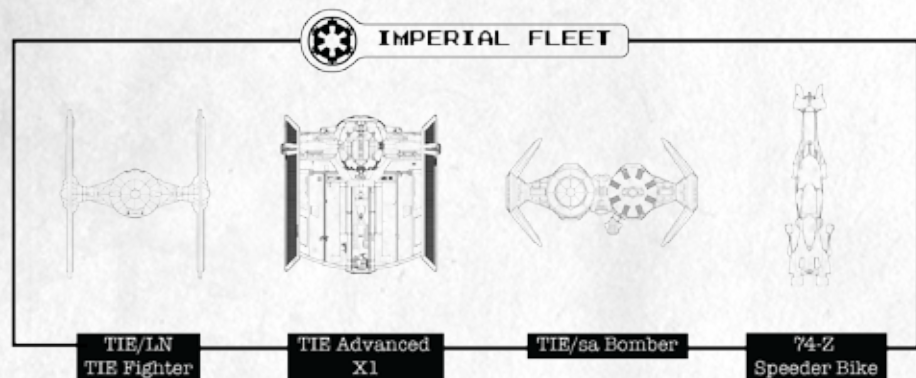


Extended Phone Holder Detail

## The Empire

I don't need to tell you what it's like to live under Imperial rule. The oppression wielded by Emperor Palpatine is a mockery of the democratic ideals upon which the Old Republic was founded.

We Rebels might be outnumbered, but we fight anyway. We fight because we believe in a better galaxy with justice for all beings. And we won't stop until we've won freedom for everyone.



OPEN PAGE  
TOP SECRET

## REMOVING THE X-WING FROM THE DISPLAY CASE:

Carefully remove the top cover of the box and the acrylic window from the packaging, and place them somewhere safe. To free the ship from the support, gently pull up on the body of the Ship and release the motors from the rubber grommets. Slowly pull the ship away from the surface of its support, making sure not to force it.

Important note: For packaging and display purposes the propeller blades are not pre-installed on the ship. You will need to follow instructions on installing propeller blades page 13

## DISPLAY CASE FUNCTIONS:

When the cover is removed, the inside display case will come to life with light and music.

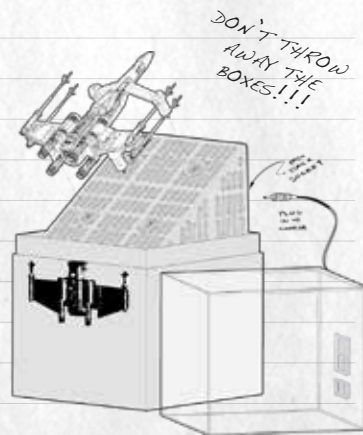
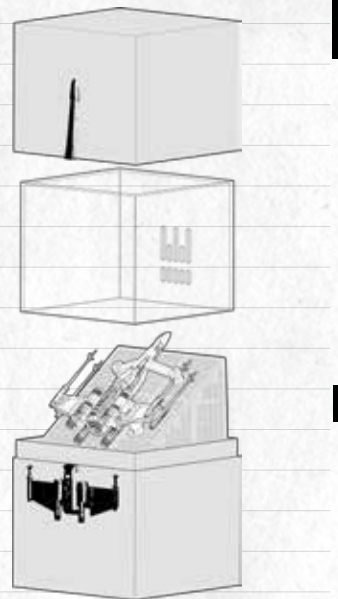
Note: Each time you replace the cover of the box and open it, a new music track will play.

To recharge the display case, first remove the acrylic top. This will give you access to the display charging port in the back side of the display fixture. Use the included USB cable and wall adapter. When the display is charging, the sound and lights will turn off. When the battery is fully charged, the display lights will turn on again. Now you are ready to replace the acrylic top of your display box.

If you are unsure if the battery is charging, remove the charging cable after several minutes of charging and the display should light up. Fully charging the display case takes approximately 40-60 minutes under normal conditions.

Note: be sure to disconnect the charging cable once the packaging is fully charged to preserve the battery.

When battery is low the lights will flash.



## REMOTE CONTROL BATTERY INSTALLATION



USE ALKALINE OR 1.5V  
RECHARGEABLE BATTERIES

1. On the back of the controller, unscrew and slide off the battery cover. *- THERE IS A SCREW DRIVER HIDDEN IN THE RIGHT SIDE ARM OF THE CONTROLLER.*

2. Install 4 "AA" alkaline batteries (1.5v rechargeable batteries are preferred) into the controller. *CHECK PROPER ORIENTATION!*

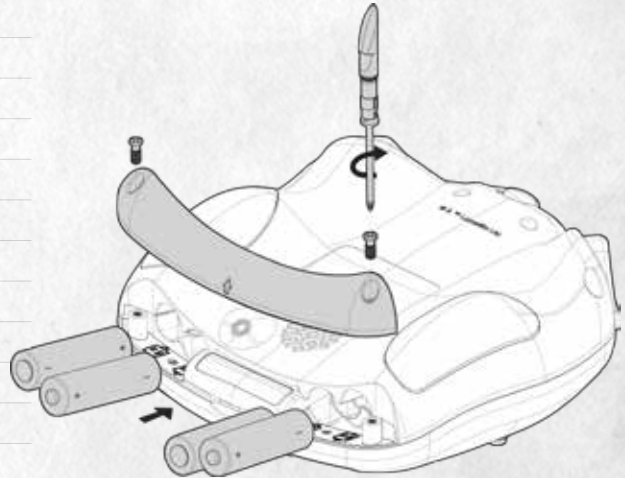
3. Replace the battery cover and secure it with screws.

4. Replace the screwdriver into the side of the controller

1 - UNSCREW AND SLIDE

2 - 4 AA BATTERIES

3 - PUT BACK COVER



(ALL THE LEDS ON THE CONTROLLER  
SHOULD BE FLASHING)

MAY THE FORCE  
BE WITH YOU

5. Turn over the controller and push the power button for 2 seconds, and verify that the LED lights are on.

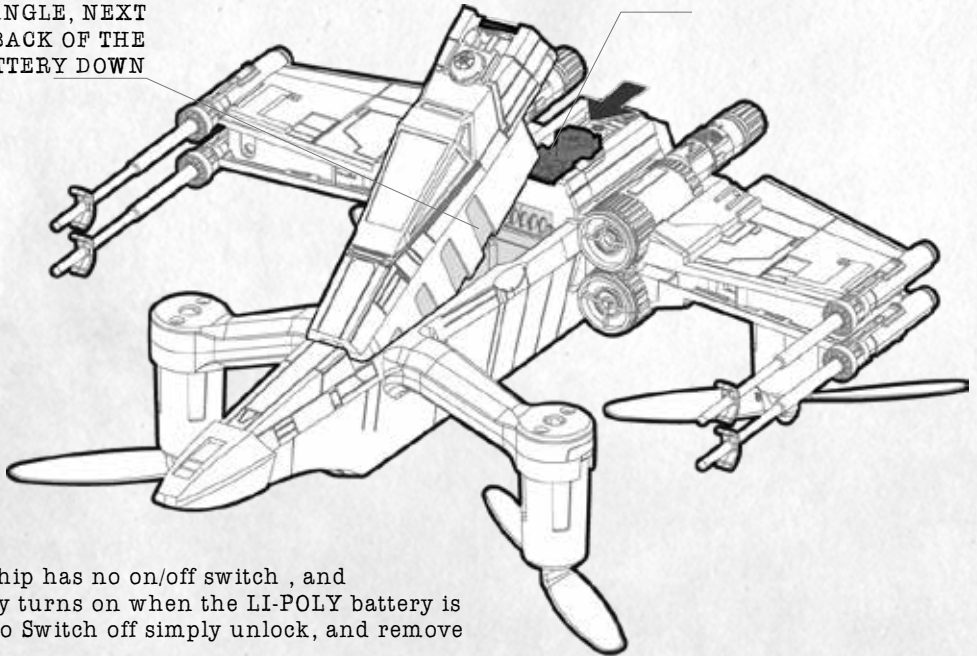


## SHIP BATTERY INSTALLATION:

1. During your first installation, slide the clasp to the unlocked position (as shown in illustration) to unlock the battery. Next, remove the battery cover that comes in the package, as this cover is cosmetic and used for display purposes only.
2. Slide the fully-charged battery into the Ship's battery compartment (see diagram).
3. Push down and make sure the battery is fully seated as shown below. The Ship's LED lights will illuminate and start flashing when the battery is properly connected.
4. Close the clasp to lock the battery securely in place.

FIRST INSERT THE NOSE  
OF THE BATTERY AT A  
FORWARD ANGLE, NEXT  
PUSH THE BACK OF THE  
BATTERY DOWN

SLIDE TO LOCK /  
UNLOCK BATTERY



**NOTE:** The ship has no on/off switch , and automatically turns on when the LI-POLY battery is connected. To Switch off simply unlock, and remove the Battery.

## CHARGING YOUR SHIPS LI-POLY BATTERY

1. Insert the correct wall socket extension into the wall adapter depending on the country you are in (see illustration A).
2. Next, connect the USB charging cord to the wall adapter and the charger.

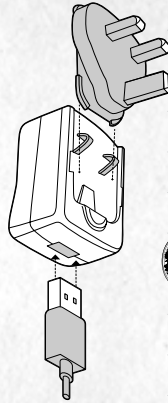


Illustration A

*NOTE: THE CHARGING ADAPTER WILL SHOW A RED INDICATOR LIGHT WHEN PLUGGED IN, AND A BLINKING RED INDICATOR LIGHT WHEN CHARGING THE BATTERY.*



*STEADY RED -> PLUGGED IN*

*BLINKING RED -> CHARGING IN PROGRESS*

3. When the ship's battery is charged to 90%, the charging indicator light will turn blue.
4. When the ship's battery is fully charged, the charging indicator light will turn green.

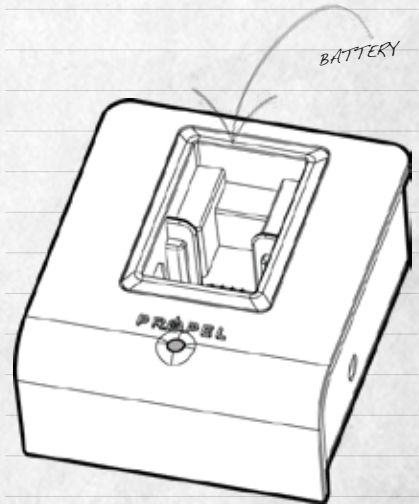


**GREEN**  
Fully charged



**BLUE**  
90% charged

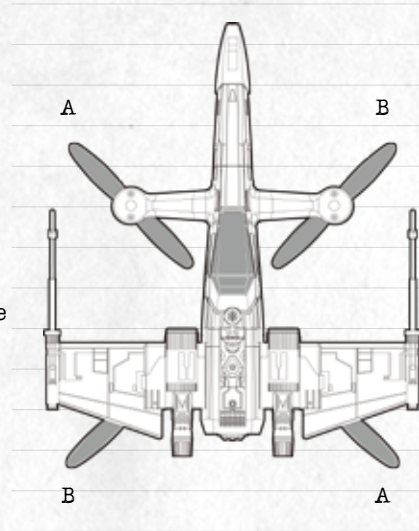
5. Average charging time is approximately 30 minutes to reach 90% charge and an additional 10 minutes to charge completely. We suggest flying at A 90% charged battery. A 90% charged battery can power your ship for 6-8 minutes depending on environment and flight aggressiveness. Never leave li-poly batteries sitting in charger for extended periods of time.



## PROPELLER INSTALLATION AND REPLACEMENT:

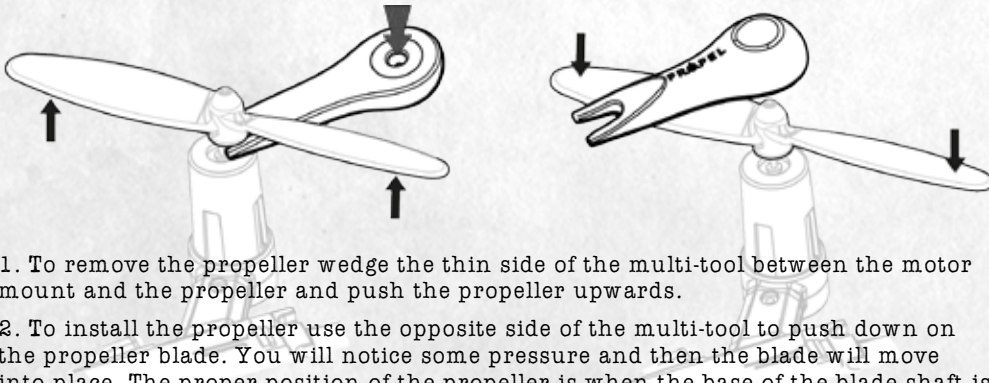
Your X-wing's propeller system is a precision instrument that may need repair or replacement from time to time for optimal flight function. Crash landing from high-speed aerial flights may cause damage to your propellers.

1. The Ship has four propellers, two "A" Propellers, and two "B" Propellers.
2. When replacing the propeller blades, make sure to put A propellers on A Motors, and B Propellers on B motors, as per the diagram at the right.
3. To replace the blade, gently pull off the broken blade and snap the new correct blade in place by pushing down firmly.



### Multi-Tool:

The multi-tool is used to help install and remove the propellers from the ship.



1. To remove the propeller wedge the thin side of the multi-tool between the motor mount and the propeller and push the propeller upwards.
2. To install the propeller use the opposite side of the multi-tool to push down on the propeller blade. You will notice some pressure and then the blade will move into place. The proper position of the propeller is when the base of the blade shaft is seated slightly below the motor hole. Always check to make sure that the blade spins freely.

## WARNING!

Do not fly your ship in foul weather!



**2 SECOND PUSH  
ON/OFF**

*AT THIS POINT YOU MAY CHOOSE TO LISTEN TO THE OPENING SOUNDTRACK THAT PLAYS WHEN YOU POWER ON YOUR CONTROLLER, WHILST YOU CONTINUE READING THIS HANDBOOK.*

*ALL LIGHTS  
FLASHING RED*



### CONTROLLER POWER ON/OFF

Hold button for 2 seconds and the power will turn on, followed by a slight vibration. All LEDs (life LEDs and speed LEDs) will flash red until the controller is synced to the ship.

Hold button for 2 seconds and the power will turn off. The vibration motor will spin and all LEDs will flash red for 3 seconds.

### SYNC TO SHIP: FOR SINGLE PERSON PLAY

Push the left control stick all the way up until you hear 1 beep, then push the stick all the way down. You will hear 2 beeps to indicate the controller is synced. Once synced, the LEDs surrounding the power button will illuminate to indicate the selected speed.

At this point you may want to listen to the opening soundtrack that plays after your controller powers on, while you continue reading.

## MUSIC MODE

Music mode lets you adjust the volume on your speaker or headphones or choose a background track. To enter music mode, hold down button 2 and button 4 for two seconds. The Life LEDs will glow blue (or red in simulation mode). Push both buttons again for two seconds to exit music mode. If no buttons are pushed for five seconds while in music mode, the controller will automatically exit the mode.

No other buttons will function while in music mode except for the 4 buttons on the face of the controller (buttons 1, 2, 3, and 4).

1. Change track: Push once to change the track, (up to six times). Push again to shuffle all tracks (confirmed by the “shuffle all” sound). Push again to turn off the music but keep the sound effects (confirmed by the “music off” sound). Push again to turn all sounds off (confirmed by the “all sound off” sound). Push again to start over again from the beginning.

2. Change Volume: To change volume first enter music mode, then Push button (3) to increase volume or Push button (4) to decrease volume.

(See Diagram)

### X-wing soundtracks

TITLE: “MAIN TITLE”

MOVIE: ALL- A NEW HOPE

TITLE: “THE BATTLE OF ENDOR 1”

MOVIE: RETURN OF THE JEDI

TITLE: “THE THRONE ROOM”

MOVIE: A NEW HOPE

TITLE: “THE ASTEROID FIELD”

MOVIE: THE EMPIRE STRIKES

BACK

TITLE: “ALLIANCE ASSEMBLY”

MOVIE: RETURN OF THE JEDI

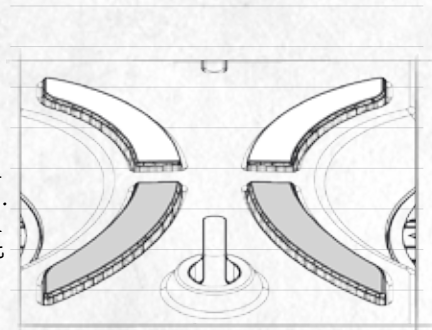
TITLE: “LANDOS PALACE”

MOVIE: THE EMPIRE STRIKES  
BACK

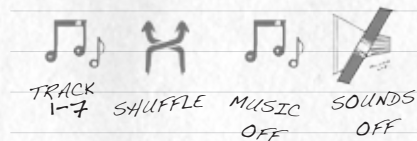
TITLE: “THE STARS AWAIT”

MOVIE: COMPOSER DAVID

PELLICCIARO



ENTER MUSIC MODE

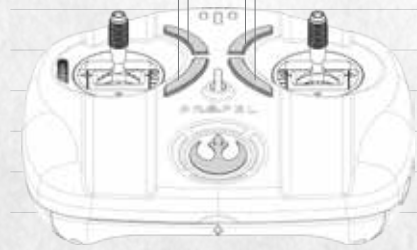


CHANGE TRACK 1

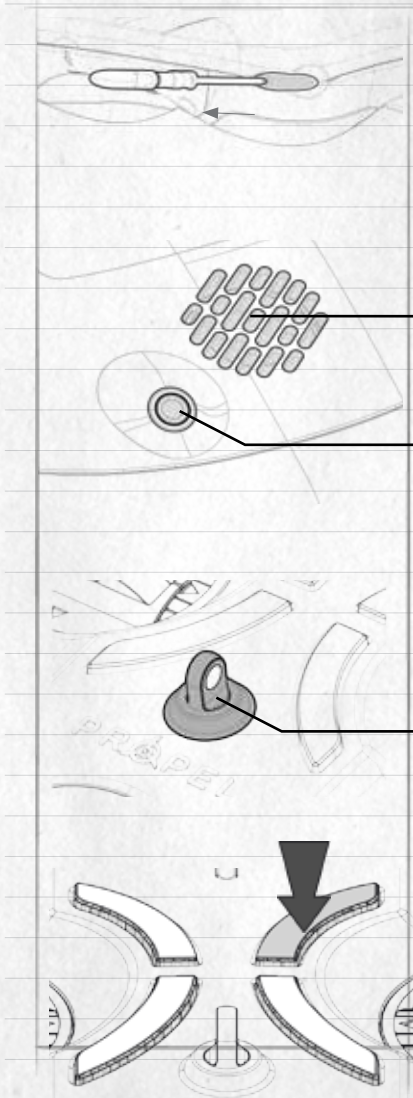
VOLUME UP 3

2

VOLUME DOWN 4







### LIGHTSABER SCREW DRIVER

This is the weapon of a Jedi Knight, but it can also help you with simple tasks and repairs. It attaches to your controller and can be used to remove screws from the battery cover or to tighten the screw on the phone holder. It can also be used to remove parts on your ship if repairs are needed.

### SPEAKER

The controller's speaker will play every sound, including music, explosions, lasers, and more.

### HEADPHONE JACK

The controller's headphone jack functions in the same way as the speaker, but will only work when the headphones are plugged in. When headphones are connected, the controller's speaker will switch off and all sound will be routed through the headphones. When the headphones are unplugged, sound will resume through the speaker.

### NECK STRAP ATTACHMENT

For use with a lanyard, to help support the controller around your neck.  
(Lanyard not included)

### CALIBRATE

If you experience a hard landing or crash your vessel begins to drift in a particular direction, you will need to land and recalibrate the gyro. On a flat level surface with the vessel's motors stopped, hold down the button for 2 seconds to calibrate the gyro.

## BAROMETRIC PRESSURE SENSOR ON/OFF (REPULSORS ON/OFF)

The barometric pressure sensor maintains the altitude of your ship above the ground, simulating the anti-gravity effect of a repulsorlift engine. This also lets you adjust your altitude incrementally during flight. Push the gimbal up or down and then release it, and your ship will hover at the new altitude.

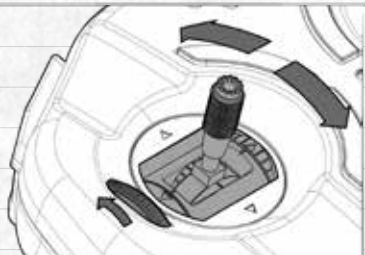
Having the barometric pressure sensor activated enables your ship to perform an auto-start, but it also limits your angle of inclination and makes it less agile at performing stunts.

## SMARTPHONE HOLDER

To use the smartphone holder, extend the pull tab on the top back side of the controller and pull it out until you hear a click.

Pull the end out and place your smartphone inside. It will close around your smartphone using spring pressure.

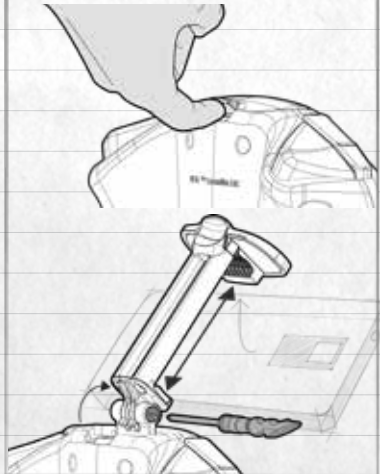
You can adjust the angle of your phone and lock it into place by tightening the screw at the base of the phone holder using the screwdriver in the side of the controller.



Barometric Pressure OFF



Barometric Pressure ON



## LEARNING HOW TO FLY (T-MODE)

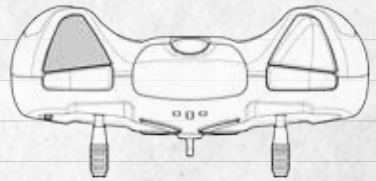
If this is your first time flying please read the following instructions, if you are an experienced pilot feel free to skip ahead to the next section.

T-Mode is a special flying mode intended to help ease new pilots into learning basic flight controls in a safe environment. To operate in T-mode you must first activate the repulsorlifts on the controller (see repulsorlifts on page 17). When in T-mode, your ship will help you to learn how to fly by moving in a controlled slow rate with added stability. T-mode allows you to familiarize yourself with the various functions of the control sticks before moving on to normal speed ratings.

### INVISIBLE CEILING AND FLOOR:

When flying upwards in T-mode, your altitude is automatically governed by an invisible ceiling at approximately 6 feet (2 meters). In addition to the ceiling there is also an invisible floor that prevents your ship from touching the ground creating a safe area to fly. In order to land your ship in T-Mode you will need to activate the auto landing sequence (See auto landing on page 24).

To enter T-Mode, hold down the speed change button for 3 seconds. You will know you have entered T-mode when all the lights around the power button turn blue. To exit T-mode simply press the speed control button once again and you will hear a beep and the LED speed indicator lights around the power button will return to red.



T-MODE

## PROTECTIVE CAGE

For beginner pilots we strongly suggest using the protective cage. Make sure you install your protective cage before flight. This cage protects the propeller blades, and the outside of the vessel from taking damage in when crashing into walls and other objects.

### INSTALLING THE CAGE:

To install the cage place the vessel in the cage with the central bar running from front to the back (not side to side) and with the 4 “C” shaped plastic connectors slid over each of the motor arms (see diagram a). Proceed to securely fasten the cage by pinching the 4 C shaped connectors with your thumb and forefinger until you feel a small snap indicating that the connector is locked in to the motor arm (see diagram b). Note: make sure the cage C connectors is all the way in the highest position (see diagram c)

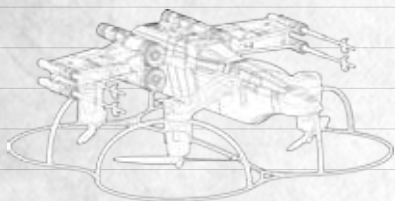


diagram c

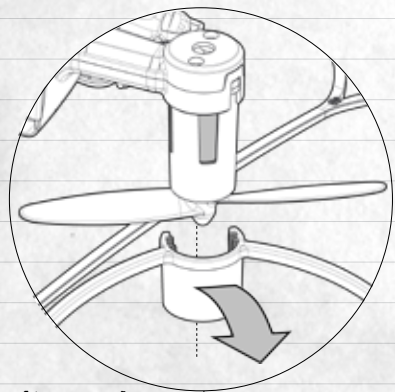


diagram b

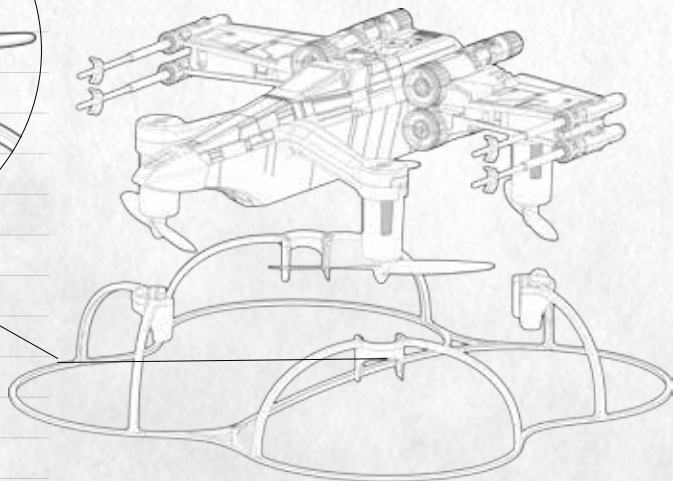


diagram a

## FOR MULTI PERSON PLAY:

Before beginning, ensure that all ships and controllers are powered off. Make sure that no other 2.4GHz devices are in the area.

Each person must sync their ship individually at different times in order to avoid interference. Follow steps 1 to 3 above, making sure to keep away from others while ensuring that no one else is syncing at the same time.

After one player syncs their ship, it should be left on until all players have finished syncing their own ships.

Should a mistake or interference occur, all players should turn off their controllers and ships for 60 seconds and begin the process again.



SPEED 1



SPEED 2



SPEED 3



T-MODE

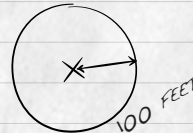
*RED LED'S - STOP  
FLASHING WHEN SYNCED  
TO SHIP*

## PREPARING FOR FLIGHT

- Verify that the controller has 4 "AA" batteries and the ship's battery is fully charged.
- Make sure your ship and controller are both powered on.
- Operate in a large space, with an open radius of at least 100 feet.
- Check the environment to ensure it has no obstacles or a river. Set your ship on a clean flat surface before takeoff.

DO NOT FLY YOUR SHIP DURING RAIN, SNOW, OR HEAVY WINDS.

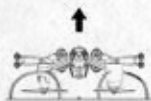
- ✓ 4 "AA" BATTERIES
- ✓ POWER ON
- ✓ 100 FEET RADIUS
- ✓ NO RIVERS
- ✓ GOOD WEATHER



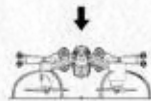
## FLIGHT CONTROL

These are the basic flight functions for your ship. While learning to fly it is best to begin with a large space, at least until you get used to the basics. Once you master your ship you can tackle more advanced maneuvers.

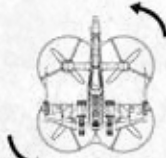
Practice makes perfect! Once you have these steps mastered, move to the next level.



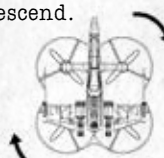
Move the Throttle up to increase the speed of the motors and the X-wing will rise up.



Move the Throttle down to decrease the speed of the motors and the X-wing™ will descend.



Move the Throttle stick left and the X-wing will rotate left.



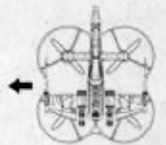
Move the Throttle stick right and the X-wing will rotate right.



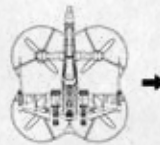
Move the Direction Control up and the X-wing will move forward.



Move the Direction Control down and the X-wing will move backward.



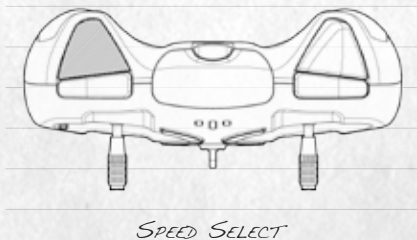
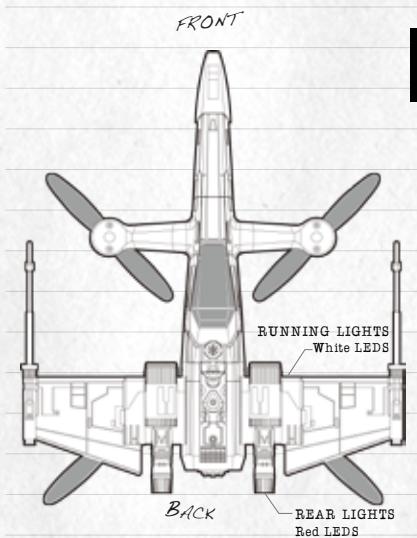
Move the Direction Control left and the X-wing will bank to the left.



Move the Direction Control right and the X-wing will bank to the right.

## FLYING TIPS

- Operate your ship in a wide space. Ideally, the space will have at least a 100 foot radius.
- If you are flying your ship with others, make sure spectators are located behind you.
- For best performance, it is recommended that you operate the ship during zero wind conditions, as wind can greatly affect flight performance.



## RECOGNIZING THE FRONT AND BACK OF THE SHIP

Even though your ship has four rotors, it still has a “front” or forward-facing direction, and a “back” or backwards-facing direction.

white LED running lights will help you easily identify the front of the ship. The rear of the ship can be easily identified by the red LED lights

**NOTE:** The front of the ship displays white LEDs. The back displays red LEDs.

## SPEED SELECT BUTTON

Your ship has 3 speed settings: **SLOW**, **MEDIUM** and **HIGH**. The default setting is **SLOW**.

Change the speeds using the speed select button, select your speed according to your flying skill.

The speed select button is located on the top left side of the controller



SPEED 1



SPEED 2



SPEED 3



T-MODE

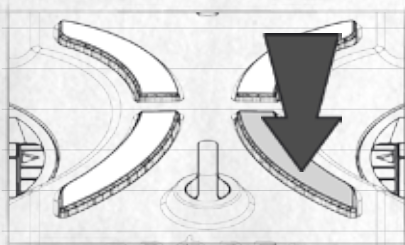
## SPEED CHANGE

When the controller is powered on, it will always start on speed 1. If the controller was in Speed Mode 3 before turning it off, it will return to Speed Mode 1 when it is turned back on.

Push the button to change speeds between Modes 1-3. If you are in Speed Mode 3 and press the button, you will cycle over to Speed Mode 1.

Flying speed is indicated by the LEDs surrounding the controller's power button.

*RED - SYNCED TO SHIP  
(WITH OR WITHOUT BEING SYNCED TO PHONE)  
BLUE - SYNC TO PHONE*



## TURN ON/OFF LED'S AND LASERS

Push the button for 1 second (you will hear 1 beep) to turn on/off the white LEDs that illuminate your ship. (The red LEDs in the rear of your ship will remain on.)

Hold down the button for 4 seconds (you will hear 2 beeps) to turn on/off your ship's lasers. Note that when the lasers are activated, the IR transceiver will be deactivated, and vice versa.

1 BEEP

1 seconds

2 BEEP

4 seconds

on/off

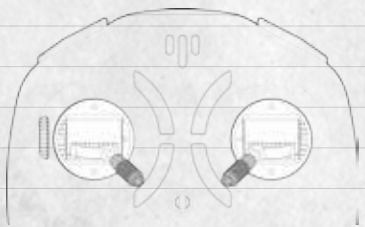
white LEDs

on/off

lasers

## EMERGENCY STOP

Simultaneously push the left and right gimbals (control sticks) down and in to activate the emergency stop. This will cut all power to the motors and the ship will fall to the ground. This is only to be used in case of emergency, as the ship may get damaged when it hits the ground.





## AUTO-START/AUTO-LAND

When repulsorlifts are activated, push button once when on the ground to auto-start. Push button for 2 seconds when in the air to auto-land.

### AUTO-START:

Auto-start only works when the barometric pressure sensor is activated.

If barometric pressure sensor is activated, auto-start will work only if the left stick (gimbal) is in the center position.

The right control stick will function normally during the auto-start sequence, allowing you to control the direction of your take-off.

After auto-start button is pressed, motors will activate and the ship will take off and hover at a height of approximately 6 feet.

If the left stick (gimbal) is pushed up or down, the auto-start will be canceled and normal controls will resume.

### AUTO-LAND:

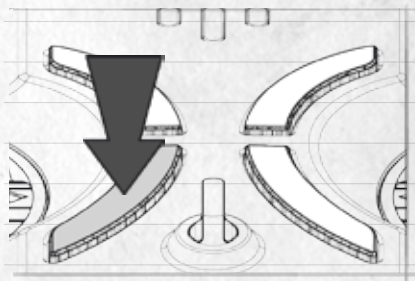
Push button for 2 seconds while in the air to auto-land.

When auto-land is pushed it will override the sticks (gimbals) control, unless the left stick (gimbal) is moved up or down during the auto-land operation. The right control stick will function normally during the auto-land sequence, allowing you to control the direction of your descent. If the barometric pressure sensor is off (for a manual take-off), then the left stick must be moved all the way down before the blades will unlock and allow you to control the throttle manually.

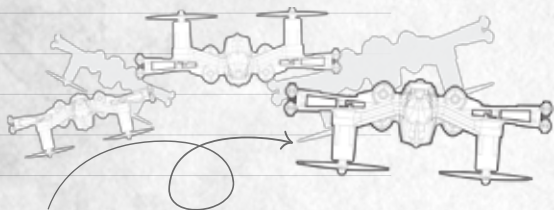
## COMBAT FLIGHT

You'll find that the X-wing handles quite well in planetary atmospheres thanks to its airfoil configuration. And should you take damage, just give a holler to your astromech droid in the aft socket. That droid has a whole toolbox of gadgets packed inside its shell, and I guarantee you'll be airborne in no time.

DOWN WITH  
THE EMPIRE!

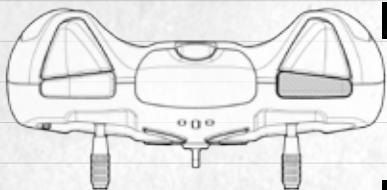


### CLOCKWISE ROLL (A)



Push the right trigger button while flying and your ship will perform a 360-degree roll in a clockwise motion while continuing its current movement. If the ship is flying forward it will continue to move forward as it performs the roll, and will perform similarly with any directional movement.

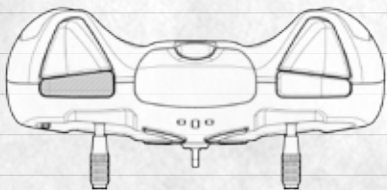
### COUNTER CLOCKWISE ROLL (B)



Push the left trigger button while flying and your ship will perform a 360-degree roll in a counter-clockwise motion while continuing its current trajectory.

Clockwise roll (A)

### WEAPONS FIRE (C)

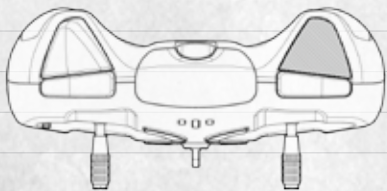


Your Vessel comes pre-installed with infrared battling transmitters and receivers as well as laser receivers. Only one type of weapon can be used at a time, meaning you can either fight with infrared weapons or with lasers.

Push the button to fire the weapon. Let go and push again to fire a second time.

Counter clockwise roll (B)

The weapons button activates either the infrared LED or the lasers, depending on which weapons system is equipped. If lasers are activated, the infrared LED transmitter and receiver will be deactivated. If the infrared LED transmitter is activated, the laser receivers will be deactivated.



Weapons Fire (C)

When weapons are fired, you will hear a laser sound from the controller's speaker (or headphones if plugged in).

## BATTLING

When battling with your vehicle it is best to fly outside in an wide open space of about 200-300 feet , in an open field with no obstruction such as trees , houses open water or power lines. When battling indoors it is recommended to do so in a very large open area such as a gymnasium or sports center with high ceilings and no obstructions.

## IR BATTLING

With IR battling, the infrared transmitters in the front of the ship will send a signal and the infrared receiver beneath the ship will register a hit.

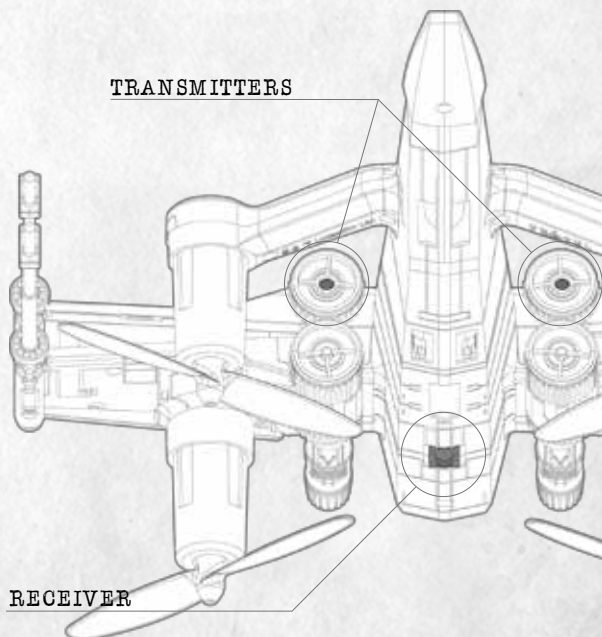
IR battling is relatively easy because it sends a wide signal and the receiver points down underneath the ship. If you aim anywhere beneath your target ship from a range of less than 2-3 meters, you will most likely score a hit.

A few things to note about IR battling:

Sunlight greatly reduces the distance at which an IR signal can travel. Battling outside in daytime means that you will need to be especially close to your opponent to score a hit.

When battling indoors, IR signals can bounce off of walls (especially white walls). You can sometimes achieve a hit even if you weren't directly aiming at your opponent if you fire using the right angle.

When IR battling, you will not be able to battle with any Propel Star Wars ships that are set to laser battling mode.



## LASER BATTLING (UPGRADE)

Laser battling is a more advanced method of battling other Propel Star Wars drones, and therefore is vastly more challenging. Each Ship is equipped with laser receivers in the front and in the back.

Receivers must be hit directly with an opposing Ships lasers in order to score a hit. The recommended distance for laser battling is between 0.5 and 3.5 meters. It is possible, though very difficult, to hit an opposing Ship from a greater distance.

A few things to note about laser battling:

Your lasers must be correctly installed and adjusted if you hope to shoot straight. If your lasers aren't properly adjusted it will be difficult to aim. The calibration tool included with your laser upgrade kit can be used to adjust the lasers.

Lasers should be fired from a short distance (between 0.5 and 3 meters).

If you are using lasers, you will not be able to battle with any ship that is equipped for IR battling.

Lasers can be used day or night but are best seen in the dark or while using a smoke or fog machine.

To access laser battling you will need to purchase a Propel X-Wing laser upgrade kit, sold separately at fine retailers or at [www.propelsw.com](http://www.propelsw.com)

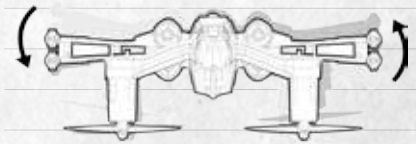
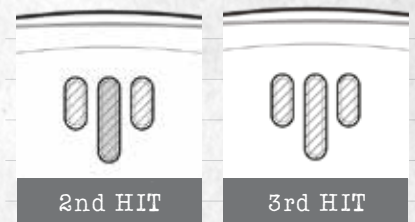
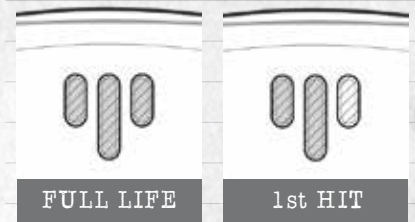
## LIFE LED'S:

When the controller's power is turned on, all 3 life LEDs will flash. Once synced, all 3 life LEDs will glow red.

**Reactions to being hit:** When the Ship is hit by an opponent, it will react and alter its flight. No additional hits can be inflicted on the Ship during this time.

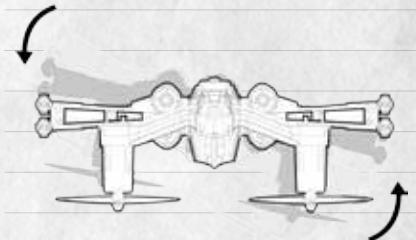
### FIRST HIT:

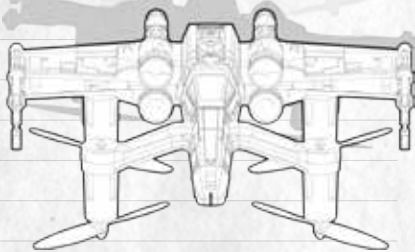
The Ship will continue on its current trajectory, but will rock back and forth two times left to right in a fluid motion. The controller will vibrate for 3 seconds and play a unique sound effect through the speaker. During this time, the 3 life LEDs will flash and the Ship will not react to any other laser hits. At the end of the maneuvers, only 2 life LEDs will remain lit, and the player who has struck your Ship will receive a notification through their controller of a successful hit.



### SECOND HIT:

Similar to first hit, but the movement will be more aggressive. The 3 life LEDs will flash and the Vessel will not react to any other laser hits. At the end of the rocking, only 1 life LED will remain lit, and the player who has struck your Vessel will receive a notification through their controller of a successful hit.





### THIRD HIT AUTO LANDING:

This is the final hit in battle. When you have been hit a 3rd time your vessel will enter into auto-land mode and descend in a downward spiral.

### TAKING OVER LANDING SEQUENCE

Pulling your left throttle stick all the way down during auto landing sequence will activate user controlled landing mode. This feature allows you to take control of your direction while you fall. This may be used to avoid hitting an obstacle.

IN ADVANCED MODE (REUPULSORLIFT DEACTIVATED); When descding all the controls will remain active except the throttle, allowing you to move freely and create your own crash landing pattern.

### GAME RESET

During a 3rd hit auto-landing you will have no access to throttle as your vessels descends and stops. During this time, the 3 life LEDs will flash and the ship will not react to any other laser hits.

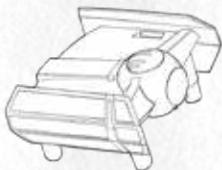
All flight controls will return to normal after the 10 seconds are up. 3 new life LEDs will turn your controller signifying that you may re-enter the battle.



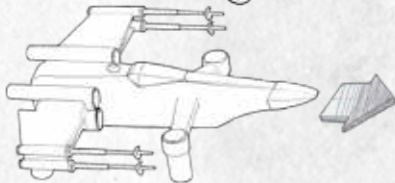
## NOTES

*DROP BACK AND ATTACK*

①

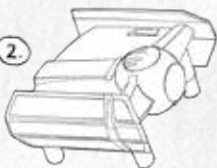


①

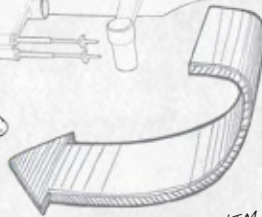
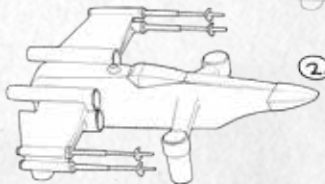


*KRIFF THE  
EMPEROR!*

②



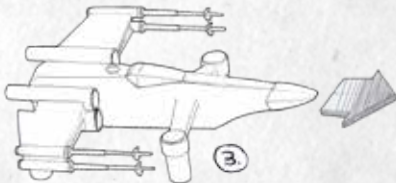
②



*CLEAR SKIES*

*WATCH HIM SAIL BY!*

③



③

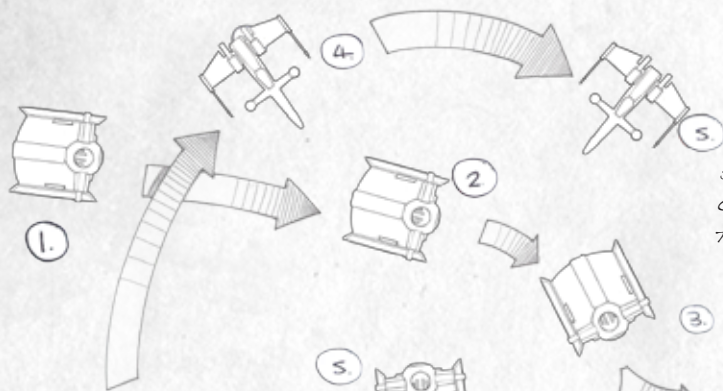


*CUT YOUR THROTTLE AND DROP BENEATH THE ELEVATION OF A CHASING ENEMY. PROTECT YOUR X-WING'S VULNERABLE UNDERBELLY WHILE MANEUVERING INTO ATTACK POSITION!*

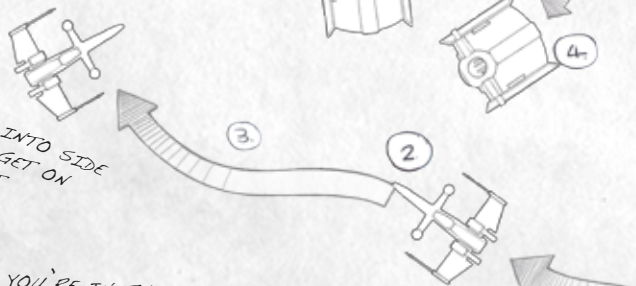


## NOTES

### CIRCULAR STRAFE



STAY IN FRONT  
OF YOUR ENEMY'S  
TURN



EASE INTO SIDE  
SLIP-GET ON  
TARGET

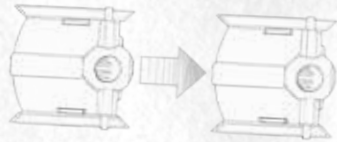
WATCH FOR THE  
COUNTER TURN!

WHEN YOU'RE IN THE RIGHT SPOT, USE A COMBINATION OF YOUR YAW AND AILERON (SIDEWAYS STRAFE) CONTROLS TO STRAFE IN A FULL CIRCLE AROUND YOUR OPPONENT. IF YOU TIME IT RIGHT, YOU CAN DEVASTATE IMPERIAL ATTACKERS.





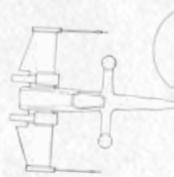
## NOTES



1.



2.



1.

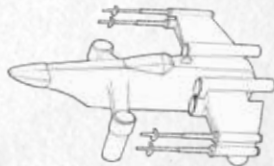


2.

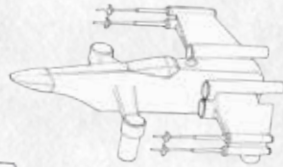
SMUGGLER'S  
REVERSE



DROP BELOW TO ATTACK  
YOUR ENEMY'S BELLY



180 DEGREE  
YAW TURN



PREY TURNS PREDATOR

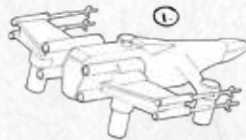


MOST REBEL PILOTS KNOW THIS ONE. MAKE A 180 DEGREE TURN AT FULL THROTTLE, RESULTING IN A RAPID DIRECTIONAL CHANGE WITH ALMOST NO TURNING ARC. YOU CAN THEN SURPRISE YOUR ENEMY WITH A FOUR-CANNON LASER BLAST. THIS BOLD MANEUVER CAN SURPRISE AN ENEMY WITH ITS BRAZEN, STARING DEFEAT IN THE FACE APPROACH!

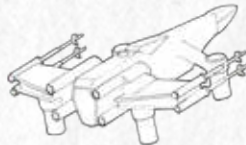


## NOTES

### REVERSE THROTTLE HOP



SAY NO TO MEMORY-WIPED  
ASTROMECHS



2

NOSE UP! PROTECT YOUR  
BELLY



2



GET ON HIS TAIL QUICK!

3



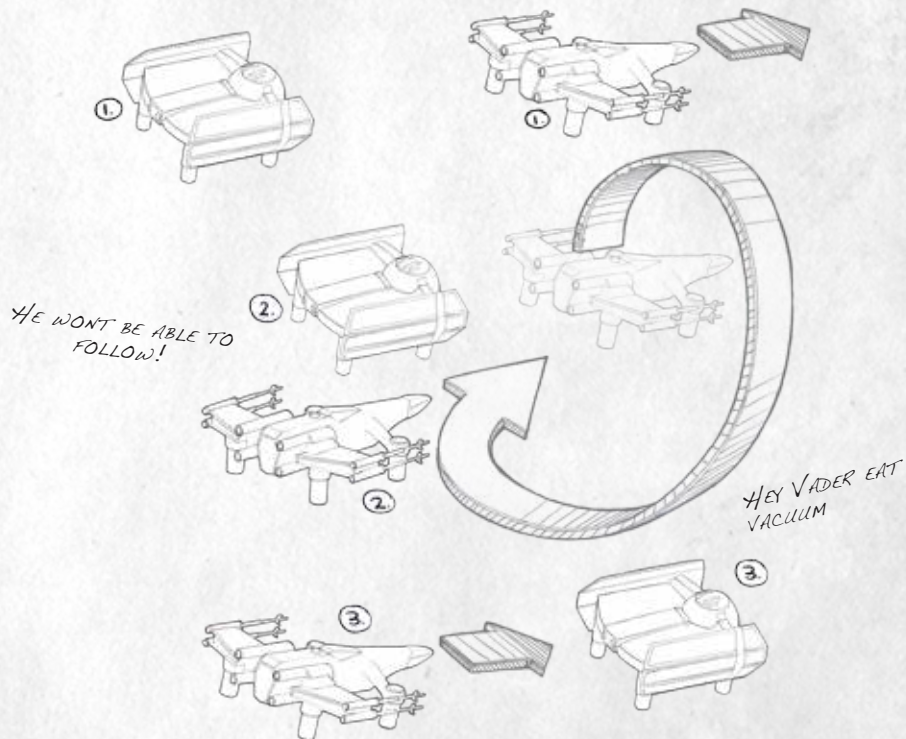
3

WHEN YOUR ENEMY IS CLOSING IN FROM YOUR REAR, EXECUTE A JUMPING HOP, BY PULLING UP AND EASING OFF ON YOUR THROTTLE, LOSING YOUR FORWARD SPEED AND DROPPING BACK BEHIND THEM. IF YOU DO IT RIGHT, YOU'LL FIND YOURSELF IN A POSITION FOR A KILL SHOT.



## NOTES

### TALLON ROLL



NAMED AFTER ADAR TALLON, IMPERIAL DEFECTOR WHO BRAVELY AIDED THE ALLIANCE, THE TALLON ROLL IS A TRICKY TECHNIQUE THAT'S EXECUTED WHEN AN ENEMY PILOT IS APPROACHING FAST FROM THE REAR.

IF THE PILOT LEVELS OUT AND PULLS UP WHILE ROLLING AWAY FROM THE DIRECTION OF THE TURN, THEY CAN SLIP BACK IN BEHIND THE ENEMY WITH NO LOSS OF DISTANCE OR SPEED.

## **X-WING WARNING:**

Your X-Wing is designed for INDOOR or OUTDOOR use. The X-Wing blades revolve at high speeds and can cause harm to the user, spectators, and animals.

Stand clear of the ship to reduce the risk of getting into its flight path. Warn spectators that you will be flying your ship so that they can remain aware of its position. Before flying, inspect the ship's rotor blades to ensure they are securely fastened.

### **WARNING!**

Choking/Cutting Hazard: Small parts/sharp rotor blades.

Keep hands, hair and loose clothing away from the propeller when the power switch is in the ON position.

Turn off the controller and ship's power switches when not in use.

The included charger is built specifically for the X-Wing's Li-Poly battery. Do not use it to charge any other battery.

New alkaline or rechargable 1.5v batteries are recommended for maximum performance.

## **BATTERY WARNINGS**

### **RECHARGEABLE BATTERY:**

This ship uses a Li-Poly rechargeable battery. If the battery no longer stays charged, dispose of it properly according to local disposal requirements.

#### **CONTROLLER BATTERIES:**

Controller requires 4 "AA" batteries (not included). Please read the important battery safety warning below.

Do not mix alkaline, standard (carbon-zinc) and rechargeable batteries (Nickel Metal Hydride).

Do not mix old and new batteries.

Non-rechargeable batteries are not to be recharged.

Rechargeable batteries are to be removed from the item before being charged (if removable).

Rechargeable batteries are only to be charged under adult supervision.

Exhausted batteries should be removed immediately and must be recycled or disposed of properly according to state or local government ordinances and regulations.

The supply terminals are not to be short-circuited.

Only batteries of the same or equivalent type as recommended are to be used.

Batteries are to be inserted with the correct polarity (see inside booklet for diagram).

Do not dispose of batteries in a fire as batteries may leak or explode.

## **CARE AND MAINTENANCE**

Always remove the batteries from the controller when it is not being used for an extended period of time.

To clean, gently wipe the controller and ship with a clean damp cloth.

Keep your equipment away from direct heat or sunlight.

Do not submerge the controller or ship in water. This can damage the unit beyond repair.

Parental guidance recommended when installing or replacing batteries.

## FCC PART 15 C NOTICE

**CAUTION:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions :

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

#### WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronics equipment, or returned to the supplier for disposal.

#### Internal/Supplied Batteries



This symbol on the battery indicates that the battery is to be collected separately. This battery is designed for separate collection at an appropriate collection point.



starwars.com  
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Conforms to safety requirements of ASTM, CPSIA, FCC and EN71.

Made in China

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Tel: + 1(877) 353 www.propelsw.com

## LIMITED 90-DAY WARRANTY

## NORTH AMERICA

ROOFTOP BRANDS™ warrants to the original consumer that this product is free from any electrical or mechanical defects for a period of 90 DAYS from the date of purchase. If any such defect is discovered within the warranty period, ROOFTOP BRANDS™ will repair or replace the unit free of charge upon receipt of the unit, shipped postage prepaid and insured to our warranty center. The warranty covers normal consumer use and does not cover damage that occurs in shipment or failure that results from alterations, accident, misuse, abuse, neglect, wear and tear, inadequate maintenance, commercial use or unreasonable use of the unit. Removal of any parts/components voids all warranties. This warranty does not cover cost of repairs made or attempted outside by third-party individuals or companies. Any applicable implied warranties, including warranties of merchantability and fitness, are hereby limited to 90 DAYS from the date of purchase. Consequential or incidental damages resulting from a breach of any applicable express or implied warranties are hereby excluded. Some states do not allow limitations on the duration of implied warranties and do not allow exclusion of incidental or consequential damages, so the above limitations and exclusions in these instances may not apply.

## REPAIR/REPLACE PRODUCT

If your product begins to malfunction or stop working, immediately call or email our warranty center at the phone/email listed below. If it is determined that a return is necessary, our warranty department will issue you an RMA number/form and an address to the nearest return center for shipping the product to. **IMPORTANT NOTICE:** We will reject all returns that are not accompanied by an issued RMA form and number so make sure to contact our warranty center before attempting to return your product!

## PREPARATION FOR SHIPPING

### YOUR PRODUCT

Please repack your product in a durable box, preferably in the original carton, and send it prepaid, and adequately insured.

Include the RMA form that was issued by our warranty department along with your daytime telephone number and email address (if available) inside the shipping carton. If your warranty has expired, contact our warranty center for charged service.

For further information please send all inquiries to [customerservice@rooftopbrands.com](mailto:customerservice@rooftopbrands.com)

## IMPORTANT NOTICE!

**DO NOT ATTEMPT TO SHIP YOUR  
PRODUCT BACK WITHOUT FIRST  
CONTACTING OUR WARRANTY  
DEPARTMENT AT:**

**ROOFTOP BRANDS™  
WARRANTY REPLACEMENT  
DEPARTMENT**

**TEL: + (1) 949-566-9573  
[customerservice@rooftopbrands.com](mailto:customerservice@rooftopbrands.com)**





PROPEL